

# PATH Documents on CD

June 7, 1999

Welcome to this compilation of PATH Documents on CD. When you first open up the CD, you will see four items:

1. Table of Contents (this file, "*CDTable\_of\_Contents.pdf*").
2. A copy of Adobe Acrobat Reader (ar40eng.exe – double-click to install the Reader). This freeware program is required to view and print the documents on this CD.
3. A directory called "PATH Reports" This directory contains all PATH and PATH SRP reports produced between 1995 and June 1999. Reports in this directory are indexed in the Table of Contents below. These files are in Adobe Acrobat (.pdf) format, and can be viewed and printed using Adobe Acrobat Reader, which is included on this CD and is also available from the internet at <http://www.adobe.com/prodindex/acrobat/readstep.html>.
4. A directory called "PATH\_Primer", which contains a brief introduction to the PATH process and analyses based on oral presentations at the Feb.25<sup>th</sup> Public Forum on PATH, sponsored by NMFS and the Northwest Power Planning Council. We caution readers that the primer is intended only to provide an summary and non-technical overview of PATH – please refer to formal PATH reports for the most accurate and complete documentation of PATH activities. Within the PATH\_Primer directory, open up the file called "*primer\_readme.pdf*" for an overview of the presentation materials.

## PATH Reports – Table of Contents

This Table of Contents lists each PATH Report contained in the "PATH Reports" directory, along with its associated filename. Reports are listed in the Table of Contents by 3 major subject headings:

- Major Reports by PATH Participants
- SRP Reviews of PATH Reports
- PATH Workshop Reports

Within each category, reports are listed in approximate chronological order. For simplicity, we refer to reports in the Table of Contents by their title only. Complete citations for each report are provided at the end of this document, indexed by their number in the Table of Contents.

Some PATH reports are quite large and are compilations of many individual stand-alone documents. In these cases, we have created sub-directories within the "PATH Reports" directory that contain each of the individual sections. There were four such reports (name of subdirectory in parentheses):

- PATH Final Report on Retrospective analyses for FY96 (FY\_96\_Retro\_Report)
- Retrospective and Prospective Analyses of Spring-Summer Chinook Reviewed in FY97 (PATH\_FY97\_Analyses)
- PATH Weight of Evidence Report (WOE\_Report)
- SRP Review of PATH Final Report for Fiscal year 1998 (SRP\_Review\_FY98Rep)

## Table of Contents

	Title of Report	Directory on CD	Filename
<b>Major Reports by PATH Participants</b>			
1	Final report on retrospective analyses for fiscal year 1996. 13 chapters, each in a separate subdirectory	PATH_Reports /FY96_Retro_Report /Chapter X (X=1 to 13)	.pdf files of text, figures, and tables for each chapter are located in the chapter subdirectory - see <i>Chapter1.pdf</i> in /Chapter_1 directory for table of contents for the report.
Notes: 1) There are no files for Chapters 7 and 8 – these chapters were subsumed into Chapter 6. 2) Chapter 3 - hardcopy included with CD 3) Chapter 10, Appendix 6 – Maps 6,7,9 are missing – hardcopy available from ESSA on request			
2	Conclusions of FY 96 Retrospective Analyses.	PATH_Reports	<i>FY96_Conclusions.pdf</i>
3	Preliminary Decision Analysis Report on Snake River Spring/Summer Chinook. Main Report Revised Executive Summary	PATH_Reports	<i>PDA_SSChinook.pdf</i> <i>PDA_SSChinook_Exec_Sum.pdf</i>
Note: A revised executive summary was published after the main report was completed to reflect changes / corrections in the analyses			
4	Retrospective and Prospective Analyses of Spring/Summer Chinook Reviewed in FY1997 Table of Contents and Introduction Section 2 – Retrospective analyses Section 3 – Prospective Analyses Section 4 – Carl Walters' comments	PATH_Reports /PATH_FY97_Analyses  /Section_1  /Section_2  /Section_3  /Section_4	.pdf files of individual documents in each section are located in the section subdirectory – see <i>TOC&amp;intro.pdf</i> in /Section_1 directory for table of contents for the report
Note: 1) Document 3.5 (Botsford's depensation paper), and some figures in section 3.3 are missing – hardcopy available from ESSA on request. 2) This report also contains the SRP review of each document.			
5	PATH Weight of Evidence Report. Main Report and Appendices Submissions 1 to 25	PATH_Reports /WOE_Report	<i>WOE_Final.pdf</i> <i>Sub01.pdf, sub02.pdf ... sub25.pdf</i>
Note: There is no submission 15 (the original sub 15 was subsumed into other submissions in the final version of the report)			
6	PATH Final Report for Fiscal Year 1998.	PATH_Reports	<i>1998_Final_Report.pdf</i>

	Title of Report	Directory on CD	Filename
<b>SRP Review of PATH Reports</b>			
7	SRP Review of Preliminary FY96 Retrospective Report	PATH_Reports	<i>SRP_Review_FY96_Retro_Prelim.pdf</i>
8	SRP Review of Final FY96 Retrospective Report	PATH_Reports	<i>SRP_Review_FY96_Retro_Final.pdf</i>
9	SRP Reviews of Preliminary Decision Analysis Report on Snake River Spring/Summer Chinook.	PATH_Reports	<i>SRP_Review_PDA_SSChinook.pdf</i>
10	Conclusions and recommendations from the PATH Weight of Evidence Workshop, September 8-10, 1998, Vancouver, BC.	PATH_Reports	<i>SRP_WOE_Workshop.pdf</i>
11	SRP Review of PATH Final Report for Fiscal Year 1998. S. Carpenter J. Collie S. Saila C. Walters	PATH_Reports /SRP_Review_FY98Rep	<i>Carpenter.pdf</i> <i>Collie.pdf</i> <i>Saila.pdf</i> <i>Walters.pdf</i>
<b>PATH Workshop Reports</b>			
12	Workshop 1, October 1995 12a) Information Package  12b) Workshop report	PATH_Reports	N/a – hardcopy available from ESSA on request <i>Workshop1.pdf</i>
13	Workshop 2, April 1996 Note: some figures in this report did not survive translation to Adobe format – hardcopy available from ESSA on request	PATH_Reports	<i>Workshop2.pdf</i>
14	Workshop 3, October 1996	PATH_Reports	<i>Workshop3.pdf</i>
15	Workshop 4, April 1997	PATH_Reports	<i>Workshop4.pdf</i>
16	Workshop 5, October 1997	PATH_Reports	<i>Workshop5.pdf</i>

## Complete Citations

### Major Reports by PATH Participants

1. **Marmorek, D.R. (ed.** 1996. Plan for Analyzing and Testing Hypotheses (PATH): Final report on retrospective analyses for fiscal year 1996. Compiled and edited by ESSA Technologies Ltd., Vancouver, B.C. 620 pp.
2. **Marmorek, D. and C. Peters (editors) and 24 co-authors.** 1996. PATH - Plan for Analyzing and Testing Hypotheses. Conclusions of FY 96 Retrospective Analyses. Prepared by ESSA Technologies Ltd., Vancouver, BC for Bonneville Power Administration, Portland, OR. December 10, 1996. 30 pp.

3. **Marmorek, D.R. and C.N. Peters (eds).** 1998b. Plan for Analyzing and Testing Hypotheses (PATH): Preliminary decision analysis report on Snake River spring/summer chinook. Draft Report, March 1998. ESSA Technologies, Ltd., Vancouver, BC., Canada. 92 pp. + appendices. *Appendices include descriptions of how various hypotheses were implemented in decision analysis.*
4. **Marmorek, D.R. and C.N. Peters (eds.),** 1998a. Plan for Analyzing and Testing Hypotheses (PATH): Retrospective and Prospective Analyses of Spring/Summer Chinook Reviewed in FY1997. Compiled and edited by ESSA Technologies Ltd., Vancouver, BC. 693 pp., including SRP reviews.
5. **Marmorek, D.R., C.N. Peters and I. Parnell (eds.)** 1998d. PATH final report for fiscal year 1998. Prepared by ESSA Technologies Ltd., Vancouver, BC, 263 pp. December 16, 1998.
6. **Marmorek, D.R. and C.N. Peters (eds.),**1998c-1. Plan for Analyzing and Testing Hypotheses (PATH): Weight of Evidence Report. Compiled and edited by ESSA Technologies Ltd., Vancouver, BC. 116 pp. and appendices. August 21, 1998. *Includes 25 submissions, each of which are referenced in main Weight of Evidence report.*

### **SRP Reviews of PATH Reports**

7. **Barnthouse, L. (ed.), J. Collie, B. Dennis, S. Saila, and C. Walters.** 1996. Plan for Analyzing and Testing Hypotheses (PATH): First Scientific Review Panel Report. Prepared by ChemRisk Division, McLaren/Hart Environmental Engineering Co., Oak Ridge, TN for Bonneville Power Administration, Portland, OR, 20 pp.
8. **Barnthouse, L. (ed.), J. Collie, B. Dennis, S. Saila, and C. Walters.** 1997. Plan for Analyzing and Testing Hypotheses (PATH): Second Scientific Review Panel Report. Prepared by ChemRisk Division, McLaren/Hart Environmental Engineering Co., Oak Ridge, TN for Bonneville Power Administration, Portland, OR, 20 pp.
9. **J. Collie, J. Kitchell, , S. Saila, and C. Walters.** 1998. Plan for Analyzing and Testing Hypotheses (PATH): SRP Reviews of Preliminary Decision Analysis Report on Snake River Spring/Summer Chinook. April, 1998.
10. **Peters, C., I. Parnell, D. Marmorek, R. Gregory, and T. Eppel (eds.); and SRP panel: S. Carpenter, J. Collie, S. Saila, and C. Walters.** 1998. Conclusions and recommendations from the PATH Weight of Evidence Workshop, September 8-10, 1998, Vancouver, BC. Compiled and edited by ESSA Technologies Ltd., Vancouver, BC. 32 pp.
11. **S. Carpenter, J. Collie, S. Saila, and C. Walters.** 1999. Review of PATH Final Report for Fiscal Year 1998. April, 1999.

### **PATH Workshop Reports**

- 12a) **Marmorek, D.P. and I. Parnell (eds.).** 1995. Plan for Analyzing and Testing Hypotheses (PATH): Information package for Workshop 1 - Design of retrospective analyses to test

key hypotheses of importance to management decisions on endangered and threatened Columbia River salmon stocks. Prepared by ESSA Technologies Ltd., Vancouver, BC with contributions from ANCOOR (Analytical Coordination Working Group) and Dr. R. Deriso, 88 pp. and appendices.

- 12b) Marmorek, D.R., I. Parnell, D.R. Bouillon, and L. Barnthouse.** 1995. PATH - Plan for analyzing and testing hypotheses: Results of a workshop to design retrospective analyses. Second Draft report prepared by ESSA Technologies Ltd., Vancouver, BC for Bonneville Power Administration, Portland, OR. 73 pp. and appendices.
  
- 13. Marmorek, D.R., D.R. Bouillon, and I. Parnell.** 1996. Plan for Analyzing and Testing Hypotheses (PATH): Results of the Kah-Nee-Ta Workshop on Retrospective and Prospective Analyses, (April 17-19, 1996). Final. Prepared by ESSA Technologies Ltd., Vancouver, BC for Bonneville Power Administration, Portland, OR, 52 pp. and appendices.
  
- 14. Peters C. and D. Marmorek.** 1996. Detailed notes from PATH Workshop 3, Wenatchee, Washington (October 7-11, 1996). Prepared by ESSA Technologies Ltd., Vancouver, BC for Bonneville Power Administration, Portland, OR, 24 pp.
  
- 15. Peters C. and D. Marmorek.** 1997. Notes from PATH Workshop 4, Kah-Nee-Ta, Oregon (April, 1997). Prepared by ESSA Technologies Ltd., Vancouver, BC for Bonneville Power Administration, Portland, OR, 18 pp.
  
- 16. Peters C. and D. Marmorek.** 1997. Notes from PATH Workshop 5, Resort at the Mountain, Oregon (October, 1997). Prepared by ESSA Technologies Ltd., Vancouver, BC for Bonneville Power Administration, Portland, OR, 13 pp.